

ABSTRACT

An undesired-wave propagation blocking circuit that blocks an undesired wave propagating between at least two parallel planar conductors is formed by a band eliminate filter including a plurality of stages of resonators (8) and (9) and transmission lines (7A) and (7B) each connecting the resonators in the respective stages. Each of the resonators in the respective stages has two spiral lines that extend in parallel to each other from each root portion, and leading ends of the spiral lines are connected to each other. Each root portion of the two spiral lines of the resonators (8) and (9) is connected to a plurality of positions of the two transmission lines, the transmission lines (7A) and (7B), and each of the resonators (8) and (9) is short-circuited at one of short-circuit portions (8S) and (9S), which is a root portion.